

ABSTRACT OF THE DISCLOSURE

A plasma generation device that can efficiently generate plasma at atmospheric pressure without producing arc discharge is provided. The plasma generation device, 5 which comprises an electrode bar 1, a cylindrical electrode 2, and a pulse power supply 11 generating a pulse voltage, generates plasma by an electric discharge induced between the electrode bar 1 and cylindrical electrode 2 by applying a predetermined pulse voltage to a point between the 10 electrode bar 1 and cylindrical electrode 2.